

# Water Quality Protection Survey Results

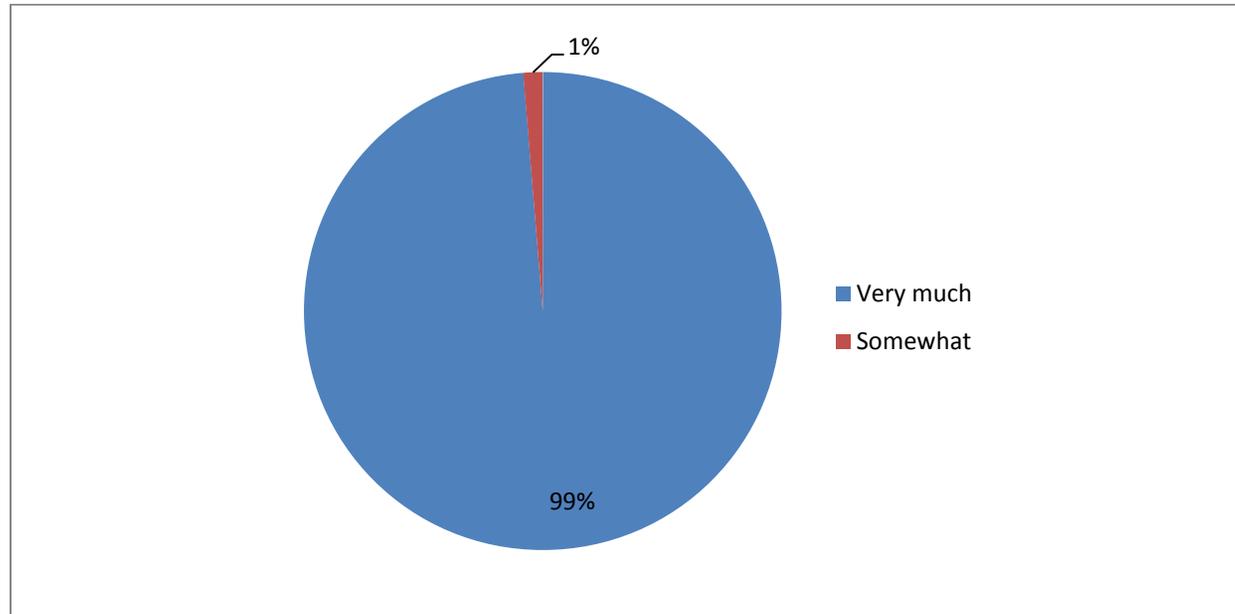
January 18, 2015

472 Responses (responses have not been checked yet so these numbers may change slightly)

## Summary

- Everyone valued water “somewhat” or “very much.” No one answered “not much” or “not at all.”
- All uses of water were used about equally, except for cultural/ceremonial (4%) and wild rice harvesting (1%). This does not necessarily show a lack of interest, but perhaps a lack of knowledge.
- The top three concerns for water contamination were agriculture/nutrients, invasive species, and pharmaceuticals. Beach closures and a water shortage were tied at 15%.
- The top 3 concerns about fish and wildlife were toxins in fish, invasive species, and high bacteria levels.
- About wetlands, respondents were most concerned with a general loss of wetlands, loss of habitat, and loss of medicinal plants.
- Almost three-quarters of respondents feel the Tribe needs its own water quality protection legislation.
- Most people get their water from a personal well, followed by community supply. 21% of people get their water from multiple sources.
- Most people would like to see protections for groundwater and springs.
- Almost half of respondents are in opposition of gas and oil activities on the LTBB Reservation, but more than a third of them are unsure. This could be an area where further education is needed.
- See question 10 on page 11—fill-in answers about what the Tribe should pursue
- Respondents would like to know more about all topics, but the frontrunners were “what are the sources of pollution affecting Tribal waters” and “how clean or safe are Tribal waters.” We could highlight the answers to these questions on our website or feature them in a newsletter.
- A mailed newsletter or fact sheet is the number one choice of how to receive information about these topics.

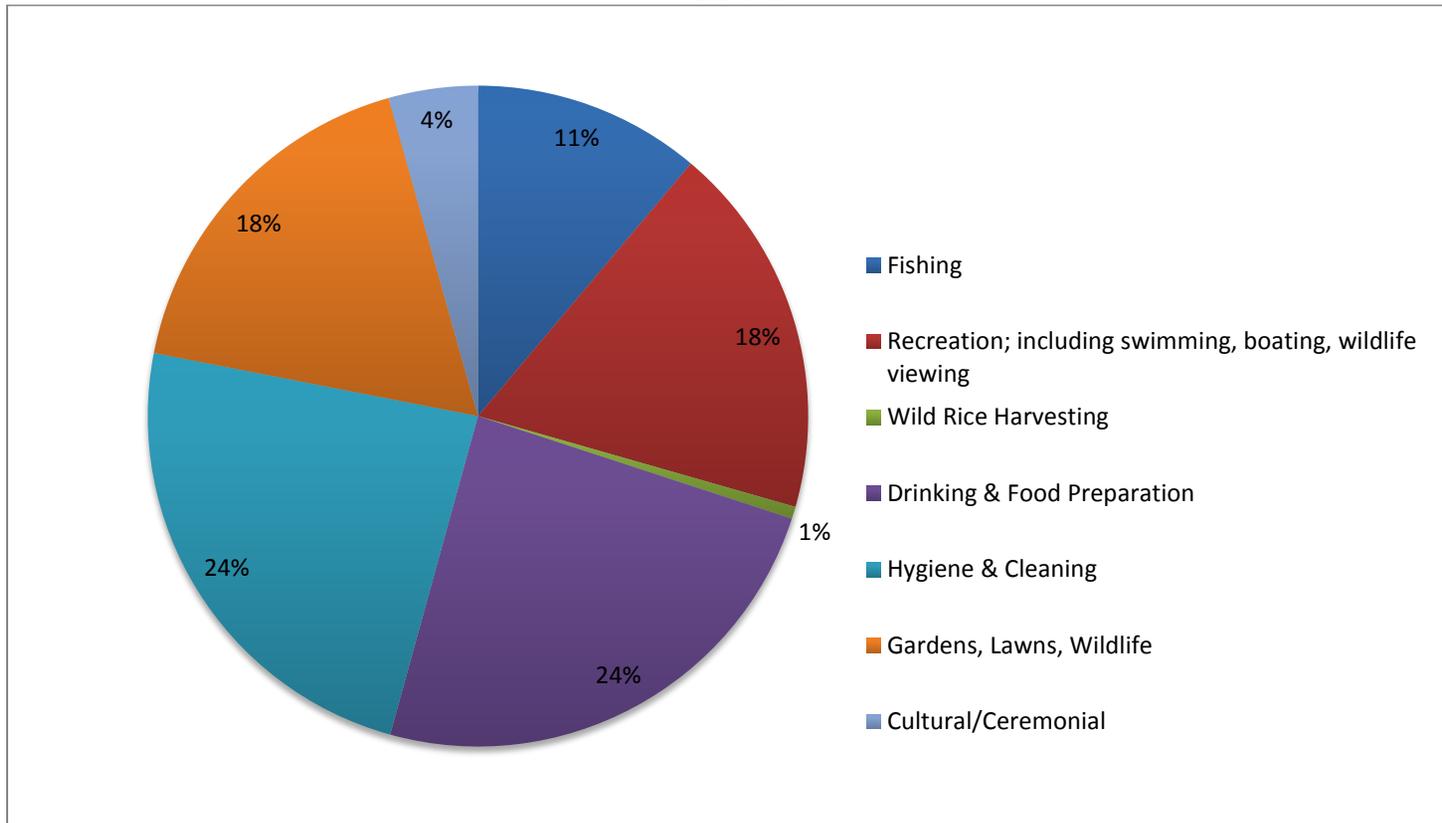
### Question 1: Overall, how much do you value water?



#### *Notes:*

- Everyone valued water “somewhat” or “very much.” No one answered “not much” or “not at all.”

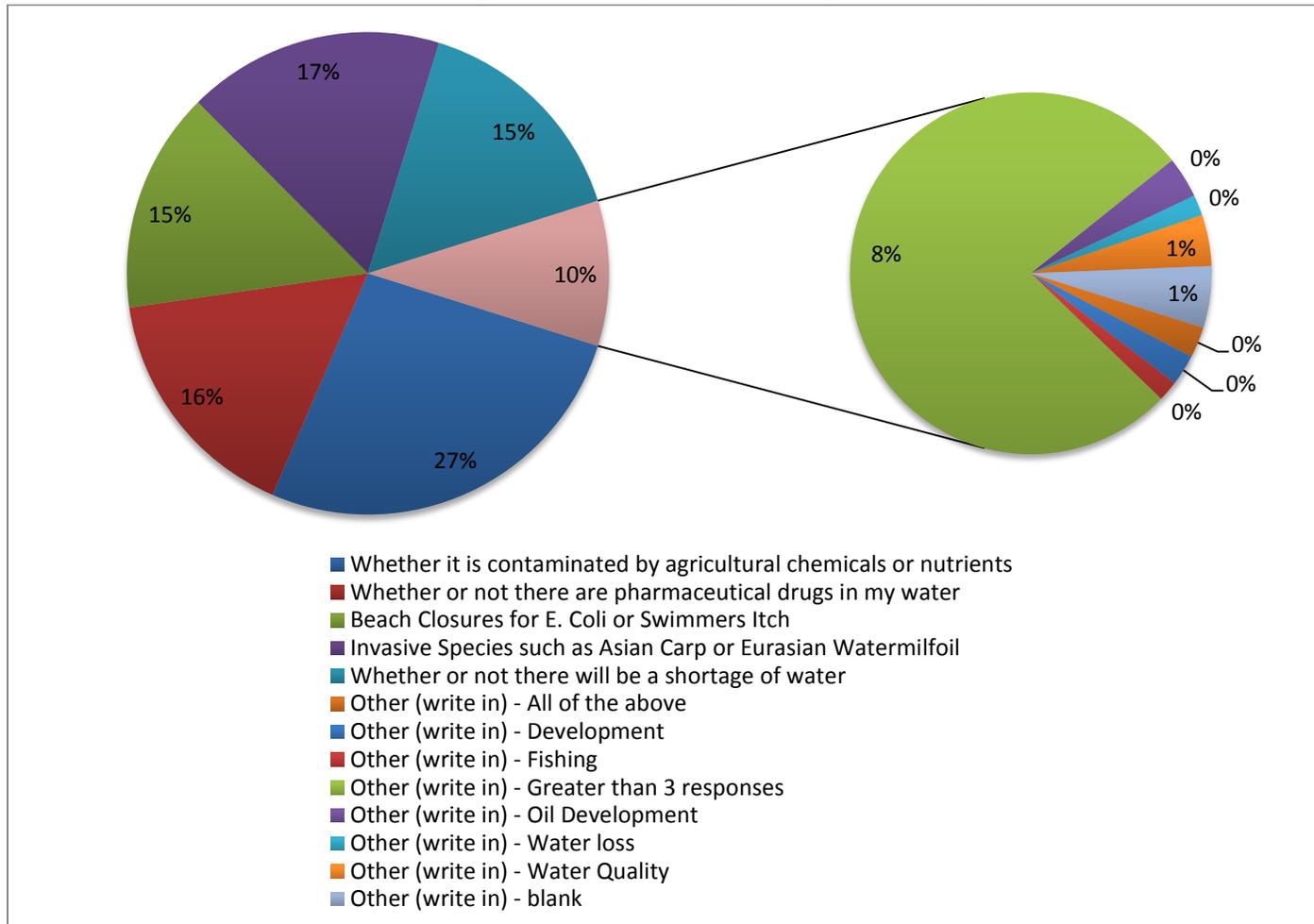
**Question 2. During an average month or during seasons that apply, how do you use water? (Mark all that apply.)**



**Notes:**

- All uses of water were used about equally, except for cultural/ceremonial (4%) and wild rice harvesting (1%). This does not necessarily show a lack of interest, but perhaps a lack of knowledge.

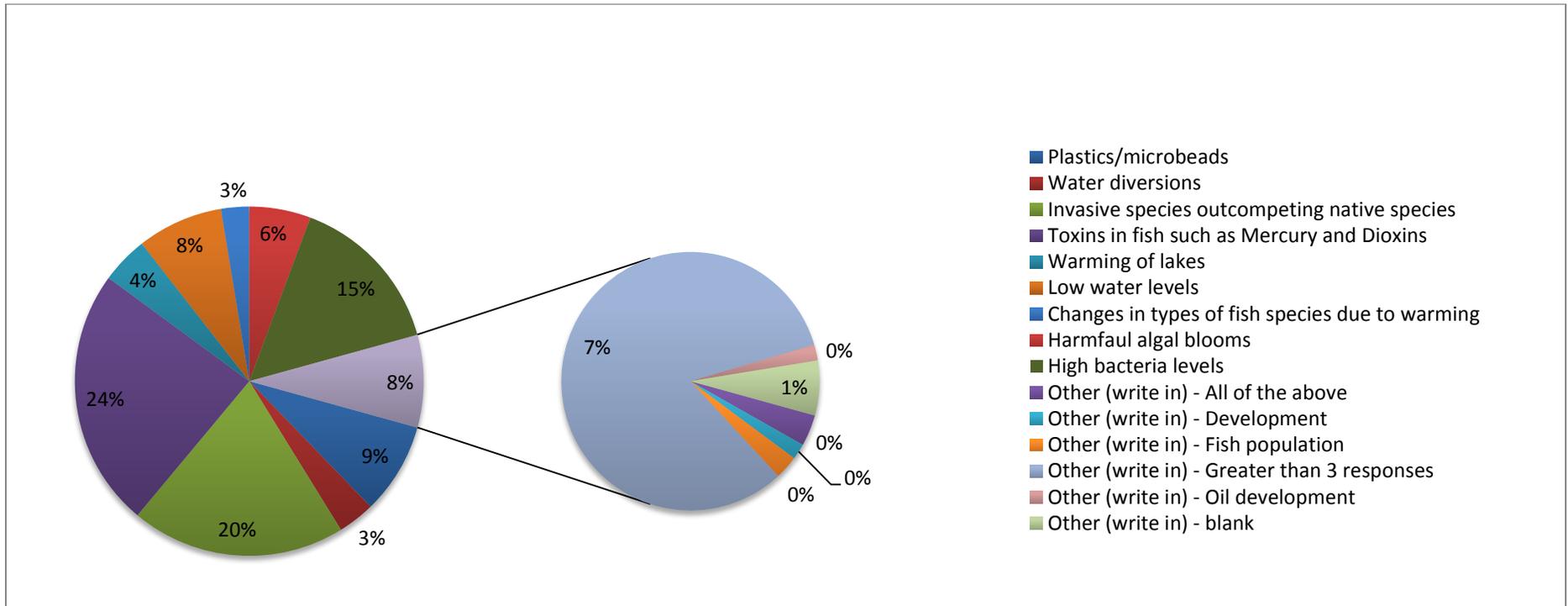
**Question 3. With the water that you use for recreational, cultural or ceremonial activities, which of the following concerns you? (Pick up to three.)**



**Notes:**

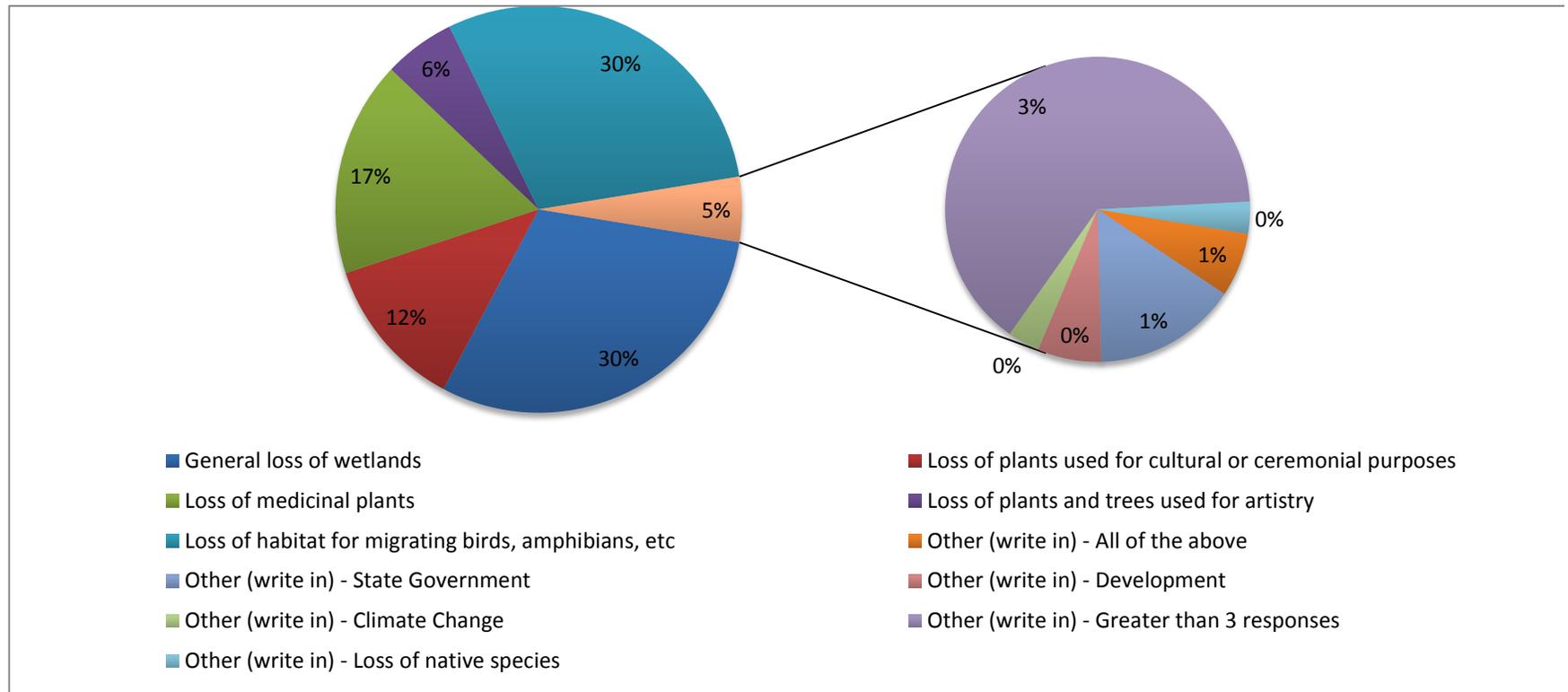
- The top three concerns were contamination by agriculture/nutrients, invasive species, and pharmaceuticals in my water. Beach closures and a water shortage were tied at 15%.

**Question 4. What concerns you the most regarding fish and wildlife? (Pick up to three.)**



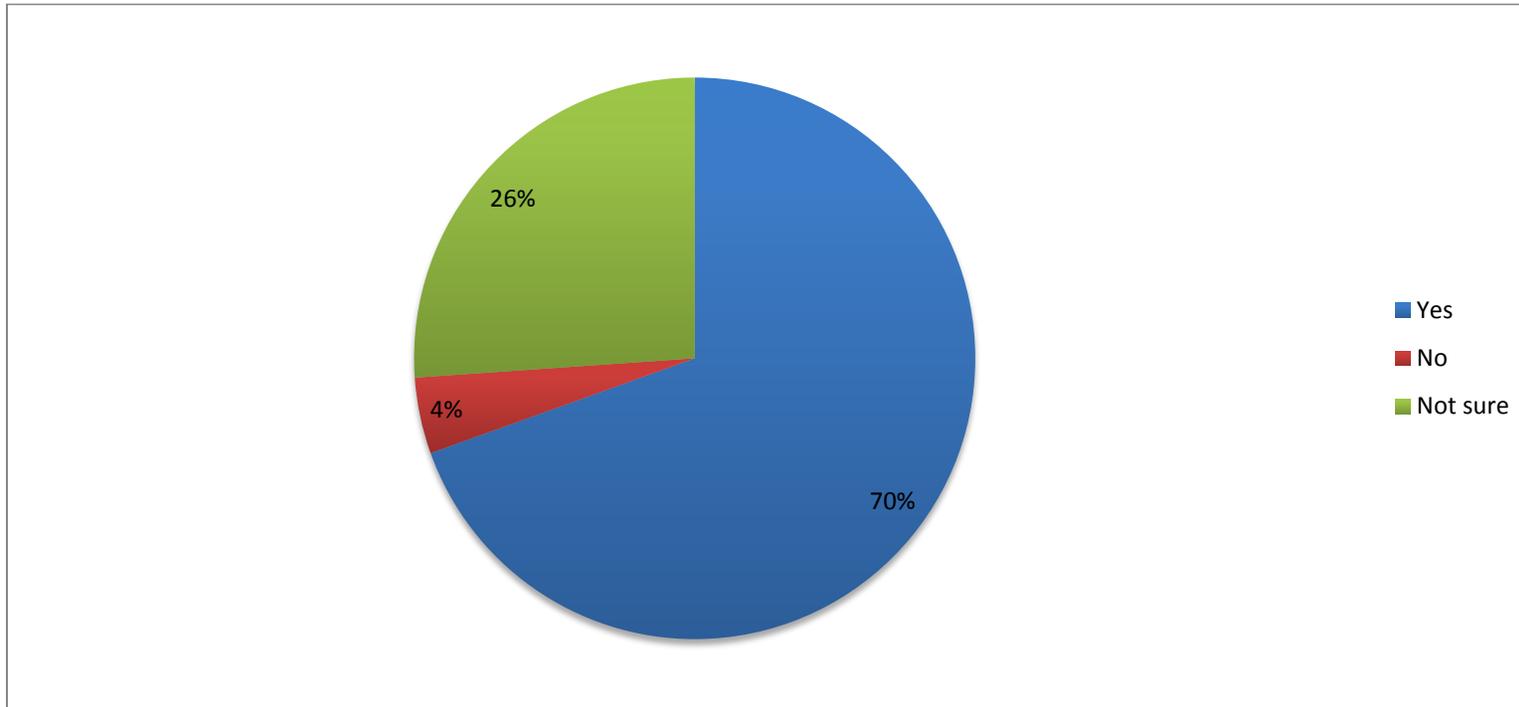
**Notes:** The top 3 concerns were toxins in fish, invasive species, and high bacteria levels.

**Question 5 . What concerns you the most regarding wetlands? (Pick up to three.)**



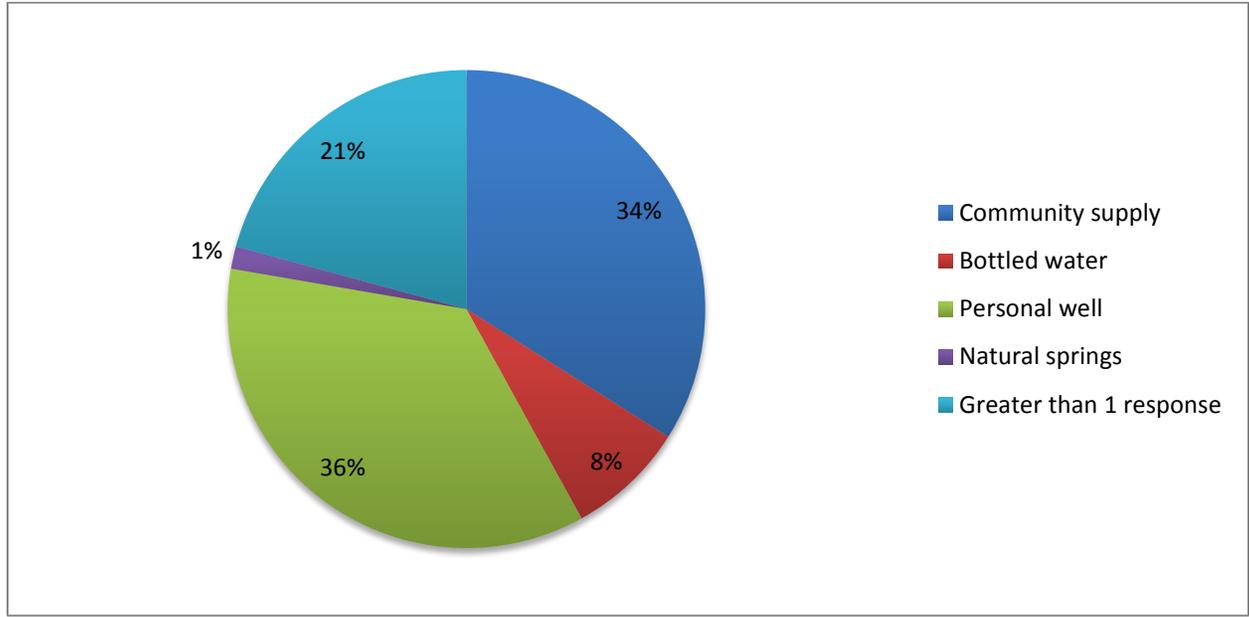
**Notes:** Respondents were most concerned with a general loss of wetlands, loss of habitat, and loss of medicinal plants.

**Question 6. Laws enacted by Congress and enforced by the federal Environmental Protection Agency currently protect tribal waters. Do you feel the Tribe also needs its own water quality protection legislation?**



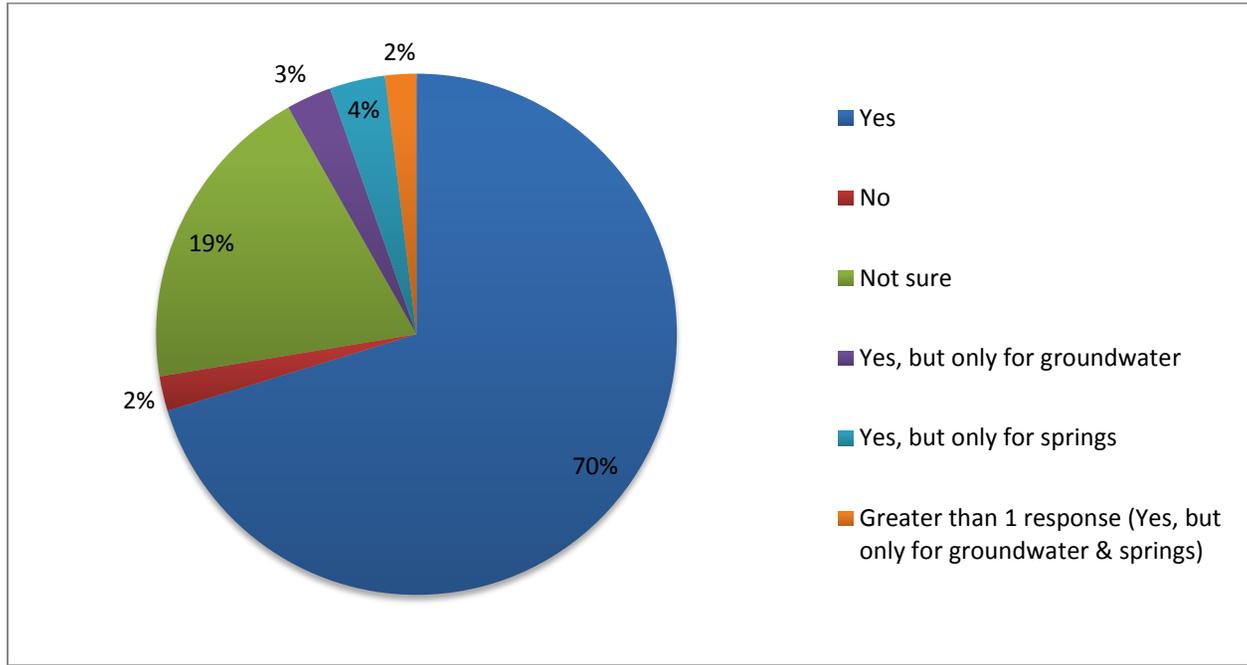
**Notes:** Almost three-quarters of respondents feel the Tribe needs its own water quality protection legislation.

**Question 7. Where do you get your drinking water?**



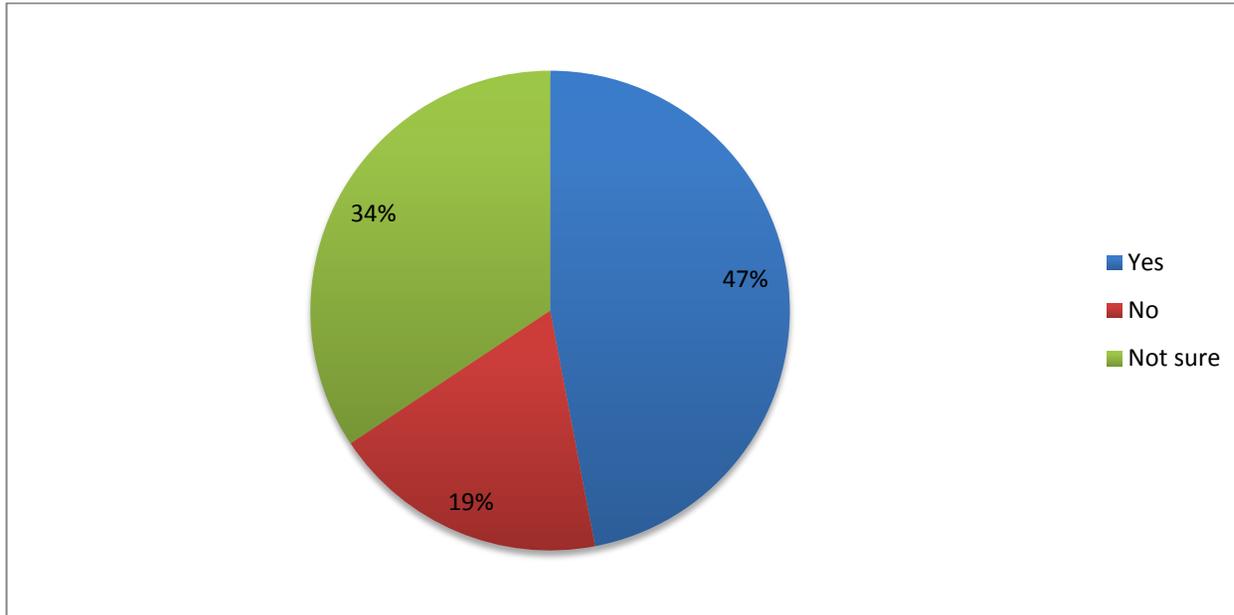
**Notes:** Most people get their water from a personal well, followed by community supply. 21% of people get their water from multiple sources.

**Question 8. Would you like to see any Tribal rules that protect groundwater or springs?**



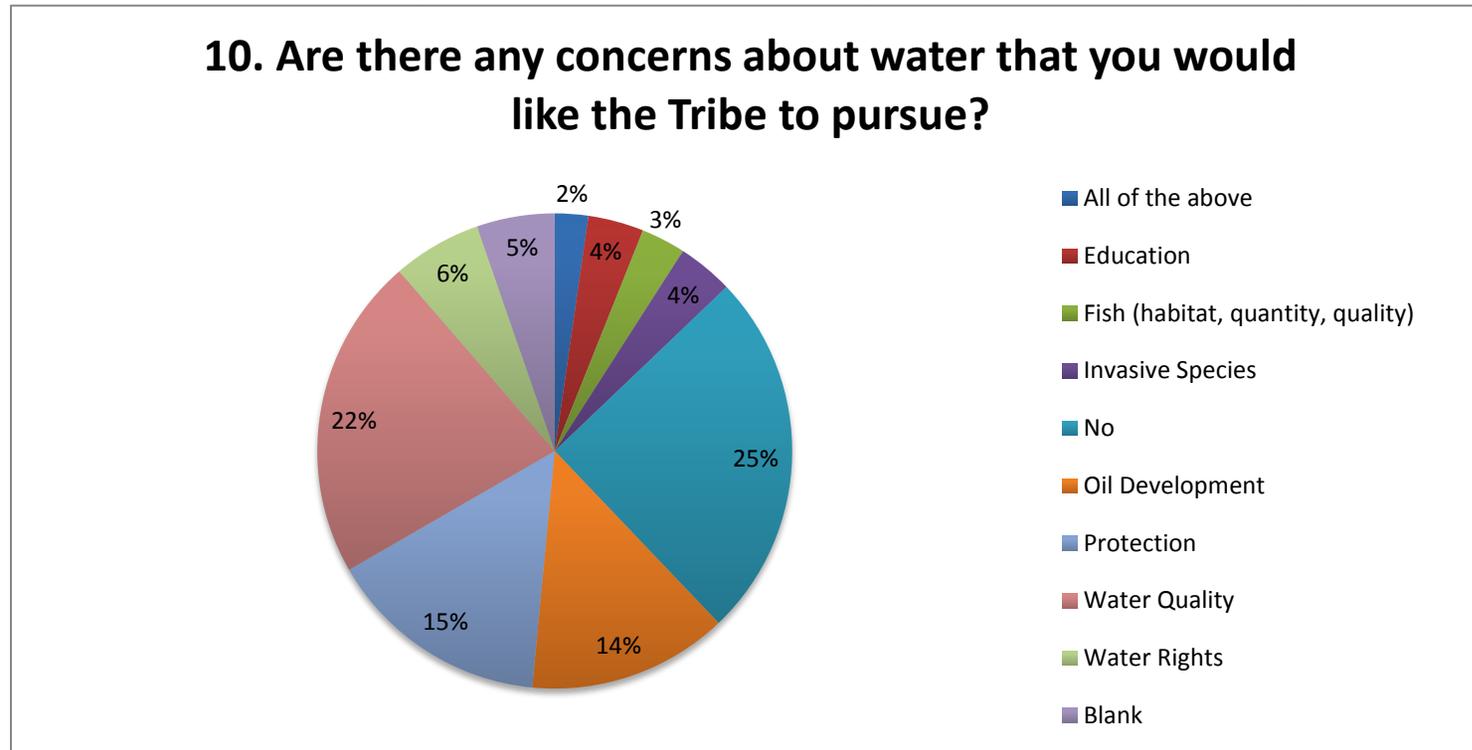
**Notes:** Most people would like to see protections for groundwater *and* springs.

**Question 9. Are you in opposition of gas and oil industry activities within the LTBB reservation?**



**Notes:** Almost half of respondents are in opposition of gas and oil activities on the LTBB Reservation, but more than a third of them are unsure. This could be an area where further education is needed.

**Question 10. Are there any concerns about water that you would like the Tribe to pursue?**



**Notes:**

- The above are general categories of answers. “All of the above” was not an actual category.
- Here are the raw answers, which I found interesting:

(Question #2 would only let me make three choices fyi) No pipelines in great lakes.

Absolutely no fish farming unnaturally unhealthy

All

All of the above

Asian Carp

Ban fracking

Banning fracking all together. Banning Pipelines. Water is our life source. "Protect mother earth, one does not sell the earth the people walk upon!"

Better testing of the water and open to Tribal citizens

Bottled water companies not infringing our waters

Clean water and protect fishing rights

Commercial water companies in northern mich

Contamination of any kind!

Crystal clear running water

Don't know

Don't rely on Govt

Educate the tribe on water issues. Rules turn a person off

Educational components/seminars for youth then Elders on wise use of H2O

Embridge oil spill in the straits

Enbridge and fracking

Enbridge pipelines

Farm impact

Farm water

Fish quality

Fluoridation elimination

Fracking

Home testing

How water is affected within our community

I believe the Tribe is already aware of most issues

I don't live on tribal land but want to help! How can do that

I see a blind eye being turned at the happenings in our own backyard. The waterway from Spring Lake to Crooked Lake do not have the same oversight as some of the other waterways. Because it is a preserve held by Little Traverse Conservancy the jurisdiction and financial responsibility is blurred.

The tribe held pageants along this trail/railroad to generate income to remain in their homes. Round Lake is monitored, there are loon nests. It could be that Fochtman Preserve could hold the potential to grow minoomin. There are other plants in the area that our natural fiber artist has lost due to the vegetation elimination by the State.

I trust your awareness!

Ice melt. Runoff into the bay. Petoskey use way too much  
Invasive species, Asian Carp and pipelines under straits of made  
Is fluoride and chlorine treatments added to water system safe?  
Just keep water safe for our children  
Keep Fluoride out of water  
Keep gas and oil companies out of tribal lands  
Keeping chemicals out  
Less pollution  
Letting other states using water for other states  
Loss of water levels in our Great Lakes.  
Loss of wetlands  
Maintain and/or approve water quality and keep it free from environmental degradation  
(past/present/future).  
Maintain Tribal fish rights and waterway protection  
Make sure all animals are safe. All living things  
Make sure we help the water walkers in a good way everytime they walk that water.  
Making sure that all tribal members have access to safe drinking water  
Maybe bottle it and sell it commercially  
Medicines in water  
Mercury levels  
Monitoring source and supply of healthy water for all  
More water rights  
My concern is to raise this universe back! Our city of Atlantis that died by a mistake of the father of  
lies at John 18:44. That liar made meat-eating addicts of us so he owns all!  
N. California - Klamath River for one. What is really happening to our rivers and the dams and why  
their not being removed when it has been passed that they would be.  
NA - Live on the Oglala Lakota Reservation  
Need an HR person  
No  
No additional  
No not at this time

None

Not at the moment

Not at this time

Not know

Not sure

Not that I know of!

Obtain TAS authority under CWA in all available forms. Evaluate climate change impacts on the Great Lakes, educate others and engage in planning to address impacts. Actively engage in implementation of Great Lakes water management and compact

Oil drilling and fracking

Over chlorinating of community systems and commercial pollutions of water areas

Overall protection

Overall water cleanliness

Pipeline in the straits and clean water for the future

Polluted water from factories and businesses

Pollution, toxic and trash

Pollution, water quality, health of our native communities w/regard to our current water quality.

Health of plants and animals w/regard to water quality. Cultural use and traditional teachings w/regard to water quality.

Preservation of Great Lakes and fisheries

Prevent contamination

Protect from fracking

Protect our Great Lakes

Protecting the waters surrounding Michigan is of the most concern! Keep our waters here and get rid of these Asian Carp!

Protection

Protection of the wild ricing. No good water no wild rice harvest

Pursue our own water quality protection legislation

Quality water=more important than \$. Thank you for your work!

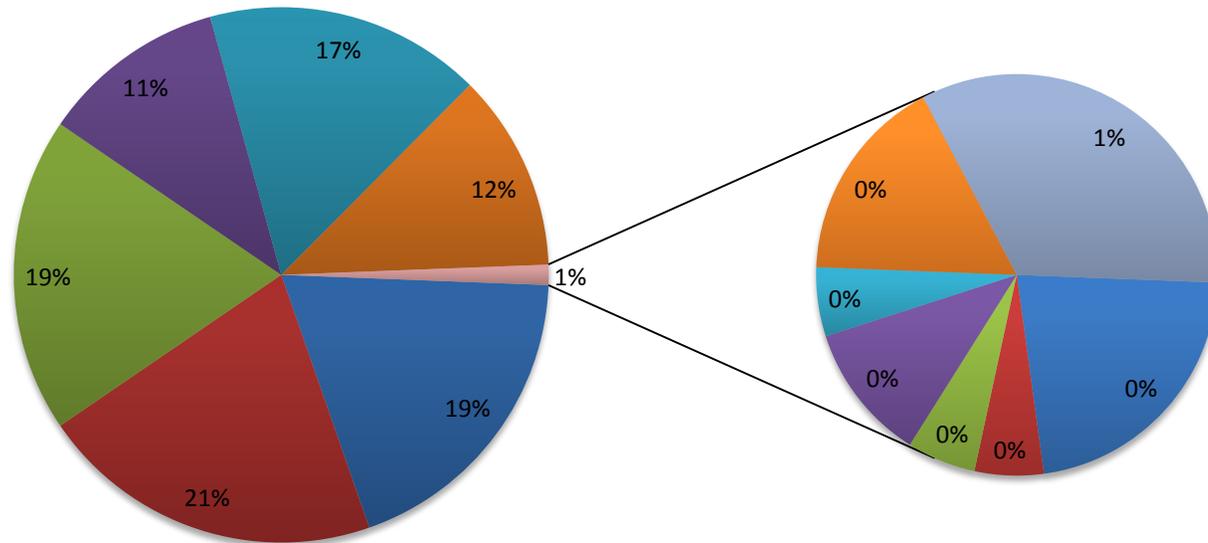
Research water preservation

Safety for all

Safety shut off's required every 20 ft on Enbridge pipeline #5

Shipping brings in more pests everyday from the sea  
Shut down line 5  
Stop any selling of Great Lakes water to other states or countries  
Stop enbridge  
Stop use of attempts to use G.L. water  
Straits Pipeline  
Support legislation to stop Asian Carp and invasive species to G. Lakes  
Swamps for deer hunting  
Teach the youth to go talk about these, too  
Test all wells once a year  
That it is safe  
Those that are most urgently neglected and future to stop more  
Unambiguous language in legislation securing water sources for the Anishinabek in the projected perils of global warming, over population and over development. An extreme doctrine in the event of unforeseen circumstances pertaining to water/water scarcity. Water Sovereignty.  
Unsure at the moment  
Water is life we need to honor it. The housing units should have monitored water, in good drinking order.  
Water levels and Asian Carp  
Water used for fracking  
Wells and health concerns with high phosphates  
What are they doing about the graveyard of mussel over by Sleeping Bear Dunes? Toxic.  
What we can do on our part to keep our water cleaner  
Who gets to take water and how much they take  
Why does it smell and taste like chlorine

**Question 11. What water quality topics would you like to know more about? (Choose all that apply.)**

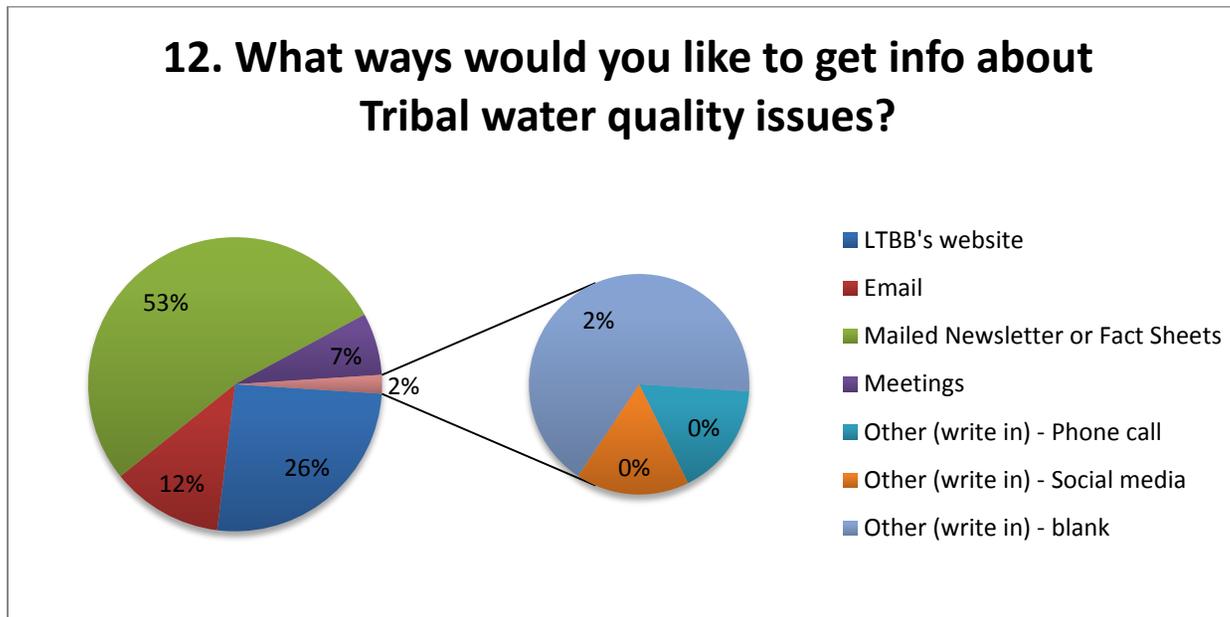


- How clean or safe are Tribal waters
- How LTTB and partners are working to protect Tribal waters
- More information on groundwater impacts from oil or gas fracking
- Other (write in) - All of the above
- Other (write in) - Invasive species
- Other (write in) - Water rights
- Other (write in) - blank
- What are the sources of pollution affecting Tribal Waters
- How can I help to protect Tribal waters
- What I can do at my home to help protect Tribal waters
- Other (write in) - Climate Change
- Other (write in) - Monitoring
- Other (write in) - Water use

**Notes:**

- Most people are concerned with everything, but the frontrunners were “what are the sources of pollution affecting Tribal waters” and “how clean or safe are Tribal waters.”
- We could highlight the answers to these questions on our website or feature them in a newsletter.

**Question 12. What ways would you like to get info about Tribal water quality issues?**



Notes: The number one choice was to receive info by a mailed newsletter or fact sheet.